WHAT IS CLAIMED IS:

- 1. A method for preventing the reproduction of documents comprising the steps of:
 - (a) establishing a document having indicia printed thereon; and,
- (b) forming a hologram on a surface of said document, said hologram being positioned for preventing reproduction of at least a portion of said indicia by reflecting light generated by a document reproduction device in a predetermined manner.
- 2. The method for preventing the reproduction of documents as recited in Claim 1 wherein said hologram of said formation step is formed to deflect light in selective directions.

- 3. The method for preventing the reproduction of documents as recited in Claim 1 wherein said formation step includes selectively forming said hologram over a plurality of separate regions of said document.
- 4. The method for preventing the reproduction of documents as recited in Claim 1 wherein said hologram is formed as a high efficiency phase hologram.
- 5. The method for preventing the reproduction of documents as recited in Claim 1 wherein said formation step includes recording said hologram on a variable refractive index material.
- 6. The method for preventing the reproduction of documents as recited in Claim 5 wherein said variable refractive index material is a photopolymer.

- 7. The method for preventing the reproduction of documents as recited in Claim 5 wherein said variable refractive index material is a photocrosslinkable polymer.
- 8. The method for preventing the reproduction of documents as recited in Claim 5 wherein said variable refractive index material is an organic semiconductor.
- 9. The method for preventing the reproduction of documents as recited in Claim 5 wherein said step of forming a hologram includes coating said document with a thin film layer of said variable refractive index material.

- 10. The method for preventing the reproduction of documents as recited in Claim 9 wherein said thin film layer is formed with a thickness of 10 micrometers.
- 11. The method for preventing the reproduction of documents as recited in Claim 5 wherein said step of establishing said document includes forming said document from a base stock having said variable refractive index material contained therein as an organic pigment.
- 12. The method for preventing the reproduction of documents as recited in Claim 11 wherein said organic pigment has a concentration of 1 to 5 by volume in said base stock.

- 13. The method for preventing the reproduction of documents as recited in Claim 5 wherein said step of establishing said document includes formation of said indicia from a printing ink containing said variable refractive index material therein as an organic pigment.
- 14. The method for preventing the reproduction of documents as recited in Claim 13 wherein said organic pigment has a concentration of 1 to 5 by volume in said printing ink.

15. A non-reproducible document comprising:

a base layer having an upper surface, said upper surface having indicia printed thereon;

a hologram formed on said upper surface of said base layer, wherein said hologram deflects light generated by a reproduction process to prevent reproduction of said indicia.

- 16. The non-reproducible document as recited in Claim 15 wherein said hologram deflects said light in selective directions corresponding to specific regions of said base layer.
- 17. The non-reproducible document as recited in Claim 15 wherein said hologram produces a plurality of images, each said image corresponding to a selected wavelength range of light reflected from said indicia.
- 18. The non-reproducible document as recited in Claim 15 wherein said hologram is a high efficiency phase hologram.
- 19. The non-reproducible document as recited in Claim 15 wherein said hologram is recorded on a variable refractive index material.

- 20. The non-reproducible document as recited in Claim 19 wherein said variable refractive index material is a photopolymer.
- 21. The non-reproducible document as recited in Claim 19 wherein said variable refractive index material is a photocrosslinkable polymer.
- 22. The non-reproducible document as recited in Claim 19 wherein said variable refractive index material is an organic semiconductor.
- 23. The non-reproducible document as recited in Claim 19 wherein said variable refractive index material is formed on said upper surface of said base layer as a thin film layer.

- 24. The non-reproducible document as recited in Claim 23 wherein said thin film layer has a thickness of 10 micrometers.
- 25. The non-reproducible document as recited in Claim 19 wherein said base layer is formed from a base stock having said variable refractive index material contained therein as an organic pigment.
- 26. The non-reproducible document as recited in Claim 25 wherein said organic pigment has a concentration of 1 to 5 by volume in said base stock.
- 27. The non-reproducible document as recited in Claim 19 wherein said indicia is formed from a printing ink having said variable refractive index material contained therein as an organic pigment.

28. The non-reproducible document as recited in Claim 27 wherein said organic pigment has a concentration of 1 to 5 by volume in said printing ink.